

**83870 with cable output Metal plunger with threaded barrel Part number 83874101**


- IP 66/67
- Metal case
- cUL approval

**Part numbers**

| Type                                                 | Characteristics | Type of output   |
|------------------------------------------------------|-----------------|------------------|
| <b>83 874 101</b> Metal plunger with threaded barrel | Standard        | Cable length 1 m |

**Specifications**

|                                            |                                                                                                                                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conformity to standards                    | IEC / EN 60947.5.1<br>Dimensional conformity : NFC 63145<br>Low voltage directive : 73/23/EEC and 93/68/EEC<br>Electric shock protection : NFC 20030 ou IEC 60536 class 1, degree of pollution 3 |
| Protection against electric shocks         |                                                                                                                                                                                                  |
| Degree of protection IEC 60529             |                                                                                                                                                                                                  |
| Degree of protection according to NEMA 250 | Type 1, 3, 4, 6, 13                                                                                                                                                                              |

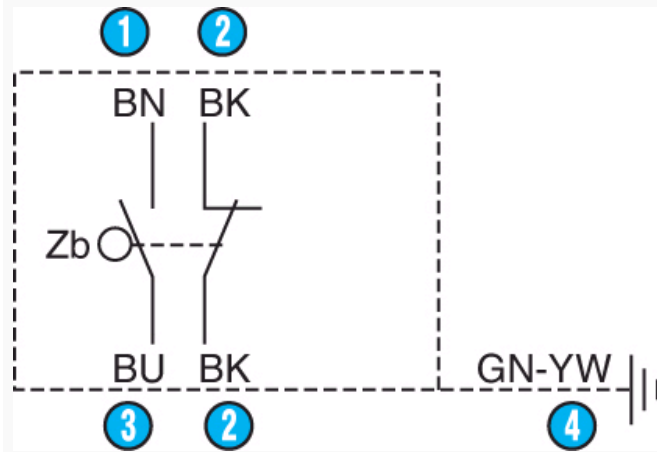
**Electrical characteristics**

|                                                          |                                                                                                         |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Connection                                               |                                                                                                         |
| Operating temperature (°C)                               | -25 → +70 °C                                                                                            |
| Assigned impulse voltage (Uimp) - V                      | 2500                                                                                                    |
| Assigned insulation voltage Ui (V)                       | 500                                                                                                     |
| Thermal current I (A)                                    | 10                                                                                                      |
| Low-load switching - Minimum voltage (V)                 | 10                                                                                                      |
| Low-load switching - Minimum current (mA)                | 100                                                                                                     |
| Assigned working characteristics (EN 60 947.5.1, UL 508) | A300 = AC15 240 V 3 A / 120 V 6 A Alternating current<br>Q150 = DC13 125 V 0.55 A Direct current        |
| Electrical life according to IEC 947-5-1 appendix C      | 250 V 3 A AC15 500,000 operations<br>24 V 8 W DC13 500,000 operations                                   |
| Electrical protection                                    | Integral protective earth conductor<br>Short-circuit protection device : IEC/EN 60947-5-1<br>Fuse 6 AgG |
| Approvals                                                | UL 508, UL 50                                                                                           |

**Mechanical characteristics**

|                                          |                    |
|------------------------------------------|--------------------|
| Sequence<br>Snap action                  |                    |
| Minimum operating force (N)              | 10                 |
| Minimum operating force (Nm)             | -                  |
| Minimum total travel force (N)           | 30                 |
| Minimum total travel force (Nm)          | -                  |
| Min. positive opening travel (N)         | 28                 |
| Min. positive opening travel (Nm)        | -                  |
| Mechanical life (millions of operations) | 10                 |
| Vertical approach speed                  | 1 mm/min → 0,5 m/s |
| Horizontal approach speed (30° cam)      | -                  |
| Weight (g)                               | 200                |

Principles



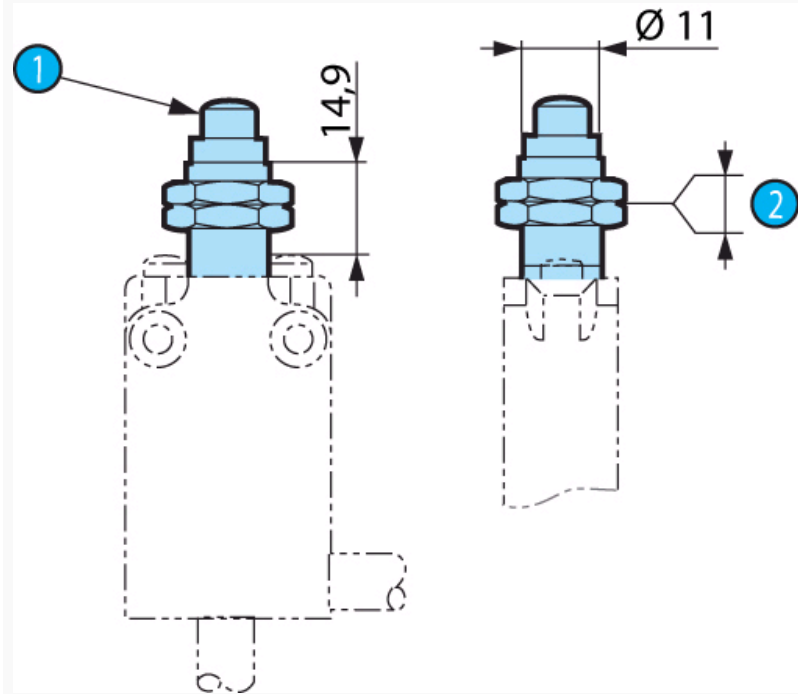
**Function**  
Four-terminal double break two-way contact element (form Zb) with positive opening NC contacts. The 2 moving contacts are electrically isolated from one another.

| N° | Legend       |
|----|--------------|
| 1  | Brown        |
| 2  | Black        |
| 3  | Blue         |
| 4  | Green-yellow |

Dimensions (mm)

Product

83 874 1



83 874 0

| N° | Legend                |
|----|-----------------------|
| 1  | POP marking           |
| 2  | Max. thickness 8.5 mm |

**Other information**

For other accessories and special contacts, or special modes of operation : please consult us.

**Product adaptations**

- Contact type
- Rear output
- Protective scraper seal
- Length of cable/connector/stripping
- Special marking

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